

**REQUEST FOR SPECIAL TEMPORARY AUTHORITY**  
**SIDE BY SIDE, INC.**  
**WYSZ (FM) RADIO STATION**  
**CH 207A - 89.3 MHZ - 0.450 KW**  
**MAUMEE, OHIO**  
**October 2011**

**EXHIBIT B**

**Radio Frequency Assessment**

This study has been made to determine whether this proposal is in compliance with 47 C.F.R. §1.1307 of the Commission's rules and with OET Bulletin #65, dated August 1997 ("Bulletin"), regarding human exposure to radio frequency radiation in the vicinity of broadcast towers. This study considers all nearby contributing stations and utilizes the appropriate formulas contained in the OET Bulletin.<sup>1</sup>

The proposed WYSZ STA antenna will be mounted at 71.6 meters (235.0 feet) above the ground and will operate with an effective radiated power of 0.45 kilowatt in the horizontal and vertical planes (circularly polarized). At 2.0 meters above the ground, the height of an average person, the antenna system will contribute 0.0037 mw/cm<sup>2</sup>.<sup>2</sup> Based on exposure limitations for a controlled environment, 0.4% of the allowable limit is reached at 2.0 meters above the ground. For uncontrolled environments, 1.9% of the ANSI limit is reached at the 2.0 meters above the ground.

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- 1) The contributions of the FM facilities were calculated using the FM Model program. A single bay EPA dipole antenna was used for calculation purposes, unless otherwise specified.
  - 2) This level occurs 19.0 meters out from the base of the tower and is considered worst case.

Since the uncontrolled limit is below less than 100%, the proposed WYSZ STA facility is believed to be in compliance with the radio frequency radiation exposure limits as required by the Federal Communications Commission. Further, SBS will post warning signs of potential radio frequency radiation hazards at the site. In addition, SBS will reduce the power of the facility or cease operation, as necessary, to protect persons having access to the site, tower or antenna from radio frequency radiation in excess of FCC guidelines.